



REG. U. S. PAT. OFF.

PORTER

CUTTERS

INSULATED TOOLS
Chain Repair Tools
Hydraulic Equipment
Sheet Metal Tools

PRUNING TOOLS

H. K. PORTER, INC.
SOMERVILLE 43, MASS.

Quality and Leadership Since 1880

Since 1880 Porter Cutters have meant three things to industry and mechanics all over the world — usefulness, economy and quality. Through 70 years of leadership Porter products have kept pace with the ever-growing needs of the industrial world in the fields which this company serves. The original product line consisted of two sizes of high leverage, two-hand bolt cutters. Now the modern line of Porter Cutters consists of many tools, ranging from powerful 9" one-hand cutters to the 42" two-hand cutter, the largest tool of this type made. There is a Porter Cutter for every purpose.

Because of a real need for scientifically designed high quality pruning tools, Porter Pruners were developed and have taken a leading place in this field. The unique design features of these tools have proven their value over a long period of years.

More recently the Porter-Ferguson (automotive division of H. K. Porter, Inc.) line of body repair tools and equipment has come to the front in the automotive field by providing means for better, faster repair work. This Porter Cutter catalog contains those Porter-Ferguson products which have well-defined general industrial uses.

Every Porter product is guaranteed without time limit against defects in materials or workmanship.

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SELECT THE RIGHT TOOL

The smallest Porter Cutter will not cut a crowbar and the largest Porter Cutter would not be used to cut a $\frac{3}{16}$ " soft bolt. Why recommend or use a clipper cut tool for cutting reinforcing rod or stainless steel? A satisfied user is a "repeat" customer — so it is important to select the **RIGHT TOOL** for the job. We strongly suggest taking time to analyze each cutting problem in the following manner:

1. What kind of material is to be cut?
 2. How hard (Rockwell or Brinell) is the material?
 3. Is a **CLOSE, FLUSH** cut necessary? (If so, see Chart A. If *not*, select center cut type tools as shown in Chart B.)
 4. If **CLOSE, FLUSH** cut is required, how can tool be positioned for cut? (See Chart A — column 2.)
 5. What **TYPE** of tool is needed?
- Answers to questions 1-5 can usually be determined from Charts A and B below.
6. What diameter is material?
 7. What **SIZE** tool is needed?

Answer to question 7 will be found on the catalog pages (see Index) describing in detail the tool selected from Charts A and B below.

CHART A

FOR CLOSE, FLUSH CUTTING ONLY—OF SOFT AND MEDIUM SOFT METALS

TYPE OF TOOL	HOW CUT CAN BE MADE	MAX. HARDNESS OF METAL SAFELY CUT		KINDS OF METAL SAFELY CUT
		Brinell	Rockwell "C" Scale	
ANGULAR CUT	Tool handles offset at 30° angle from jaw edges. (See also Swivel Angular Cutter.)	200	15	Aluminum, Brass, Copper, Non-ferrous metals, Wrought Iron.
END CUT	Cutting edges of jaws at right angles to handles. Cuts "head on" — nipper type. (See also Swivel End Cutter.)	200	15	
CLIPPER CUT	Cutting jaws in line with handles. Tool at right angle to material. (See Swivel Cutters for offset handles.)	200	15	Soft Steel Bolts, screws, rivets, rods, wire.
NUT SPLITTERS End Type Side Type	Jaw edges at right angle to handles — cuts on side of nuts. Jaw edges in line with handles — cuts "head on" to nuts.	200	15	Hot pressed nuts, cold punched nuts.
CLIPPER CUT ROUND EDGE	Tool at right angle to material. (Rounded edges for cutting medium soft metals.)	300	31	Carbon steel bolts. Cold drawn screws. Alloy steel bolts. Wire wheel spokes. Medium hard rivets or rods.

CHART B

FOR FREE OR GENERAL CUTTING OF METALS

TYPE OF TOOL	MAXIMUM HARDNESS OF METAL SAFELY CUT		KINDS OF METAL SAFELY CUT
	Brinell	Rockwell "C" Scale	
CENTER CUT Cutters	300	31	Medium hard rods, bolts, etc. Cold drawn spring wire.
CABLE CUTTERS (CB and CL only)	300	31	Stranded guy wire. Wire rope.
HOT WORK Cutters	300	31	Hot steel wire or rods.
ELECTRIC WIRE and FIREMAN Cutters	300	31	Copper and medium hard steel wire.
SOFT CHAIN Cutters	300	31	All soft chain, not case-hardened.
TIRE BEAD Cutters	300	31	Tire bead wires.
CENTER CUT ROUND EDGE Cutters and HEAVY DUTY Cutters	400	42	CONCRETE REINFORCING RODS. Chrome ball wire. Cold drawn alloy wire. Heat-treated stainless steel. Tempered spring wire.
SHEAR Cutters	400	42	Flat steel bars. Small wire rope. Strip steel. Fine stranded cable or wire rope (small sizes).
HARD CHAIN Cutters	440	46	Hard chain, including case-hardened. Tempered spring wire. Case-hardened bolts and screws. Hard rods, except stainless.
CARBIDE EDGED Cutters	500	50	Stainless steel. Hard drawn steel. Heat-treated alloy steel.

(For cutting insulated copper cable see FH, FT, LSC cutters on page 9.)

HANDKLIP CUTTERS

Porter HANDKLIP Cutters feature unusual power in lightweight, useful form. Each model is designed to do many types of cutting with ease, speed and safety. All have the same powerful toggle action as the larger two-hand cutters made by Porter. The cutting heads are of tough alloy tool steel, drop-forged and heat-treated for long and dependable usage. Handles are made of high strength pressed steel, covered with a special plastic coating that is pliable, durable, non-tacking and unaffected by weather and water. The curved comfort grip handles are shaped to fit the hand for fast, easy cutting without fatigue, with no slipping and with no blisters. **EVERY TOOL HAS ADJUSTMENT TO COMPENSATE FOR WEAR.** These tools are the complete answer to cutting problems between single joint pliers and two-hand cutters.

NOTE: Each type packaged in an attractive display carton containing six tools in individual boxes. Display cartons containing two of each type HandKlip tools available for Wholesale Hardware Distributors. Specify when ordering.



HANDKLIP 6A ANGULAR CUTTER

For CLOSE cutting of soft wires, rods, bolts, form wires, cotter pins, hog rings, spurs on castings, etc. The cutting edges are offset at a 45° angle from the tool axis and 30° from the plane of the tool. Close cutting can be done easily in cramped quarters while keeping hand and wrist in comfortable position. The work is always in plain sight. Indispensable for use in rod and wire mills, machine shops, garages, warehouses, mines, repair work, construction work, in sheet metal and refrigeration industries and home workshop.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY		APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	SOFT RODS	
6 A	9"	1/4"	3/16"	13 oz.

HANDKLIP 6C WIRE CUTTER

For FREE cutting of wires, cable, rods, baling wire and bolts up to medium hardness. One of the handiest and most useful cutting tools ever made. The specially designed parrot-beak jaw quickly locates the material for easy cutting. The protruding tip of the jaw prevents wire from slipping, aids in stretching wire and is ideal for pulling out staples. Does a thousand and one cutting and repair jobs on farm, ranch, orchard, mine reservation, in the home and camp. It is a "must" for maintenance work by utilities and railroads, and has many uses in car shops, industrial plants and cabling in tree surgery. Essential for cutting high tensile communication and power wires used in rural electrification.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY			APPROX. WEIGHT IN POUNDS
		SOFT WIRE ROPE	SOFT BOLTS IN THREAD	SOFT RODS	
6 C	9"	3/16"	1/4"	3/16"	13 oz.

HANDKLIP 6T SHEAR CUTTER

For cutting steel strapping and wire binding on cartons, boxes, crates, bales, baskets; also load holding straps on trucks and freight cars. The pointed end of the top cutting jaw is especially designed to hook easily under tight strapping or wire, making a quick, clean cut without damaging the contents of the container. There is a simple adjustment to keep the jaws at exactly the correct tension at all times. A "must" for every receiving and shipping department in plant, mill, railroad, utility, mine, warehouse, store, shop, garage and restaurant.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY	APPROX. WEIGHT IN POUNDS
		STEEL STRAPPING	
6 T	9"	.035" x 1 1/4"	14 oz.

NO. 12 CUTTER

A handy cutter for comparatively light work and particularly useful for work on the farm or in the home workshop. A two-handed cutter of tool-kit size, the No. 12 Cutter does a remarkably efficient job of cutting soft screws and bolts up to 1/4" in thread and 3/16" soft rods, nails, all kinds of untempered wire, fencing and for countless jobs too tough for the ordinary pliers. Has the same powerful toggle action as the larger Porter cutters.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY		APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	SOFT RODS	
12	12"	1/4"	3/16"	1 1/2

CENTER CUT CUTTERS

For all general purpose **FREE** cutting of wire, rods and similar material up to 300 Brinell hardness or 31 on the Rockwell C Scale. Not suited for flush cutting, but **ALWAYS RECOMMENDED** WHERE **CLOSE CUTS** ARE NOT REQUIRED.

The universal tool for such material as cold drawn spring wire, stranded guy wire, alloy wire and rods not heat-treated, wire wheel spokes, and other medium hard steel.

The cutting edge of the Center Cut Cutter is in the middle of the jaw between equal bevels. This design gives greater support to the cutting edge and assures maximum durability. Available in two types: the *Rigid* type shown here in which the cutting jaws are firmly fixed in line with the handles and the *Swivel* type (see Page 10) in which the cutterhead may be swiveled in a 180° arc.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES		APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	MEDIUM HARD RODS	
14 CC	14"	5/16"	1/4"	2 7/8
0 CC	18"	3/8"	5/16"	4 1/4
1 CC	24"	7/16"	3/8"	6 3/4
2 CC	30"	9/16"	1/2"	10 1/2
3 CC	36"	5/8"	9/16"	14 3/4
4 CC	42"	3/4"	5/8"	17 3/4

CLIPPER CUT CUTTERS

(Side Cut)

For **CLOSE** cutting of all *soft* bolts and screws, rods, wire, etc. Not recommended for any material in excess of 200 Brinell hardness or 15 Rockwell C Scale. Cutting edges are in line with the handles and beveled almost entirely from one side. This design permits flush cutting of projecting ends. Also available in *Swivel* type (see Page 10) in which the cutterhead may be swiveled in a 180° arc.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES		APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	SOFT RODS	
14 NE	14"	5/16"	1/4"	2 7/8
0 NE	18"	3/8"	5/16"	4 1/4
1 NE	24"	7/16"	3/8"	6 3/4
2 NE	30"	9/16"	1/2"	10 1/2
3 NE	36"	5/8"	9/16"	14 3/4
4 AR	42"	3/4"	5/8"	17 3/4

CLIPPER CUT CUTTERS

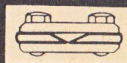
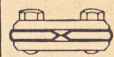
WITH ROUND EDGE AND SPECIAL TEMPER

For **close** cutting of material up to 300 Brinell hardness or 31 Rockwell C Scale, such as:

- Alloy steel bolts and similar material
- Spring steel bolts
- Heat-treated carbon steel bolts (not case-hardened)

A variation of the regular Clipper Cut Cutters shown above in that the jaws have a small rounded cutting edge and a higher temper for use on slightly harder material.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES		APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	SOFT RODS	
14 RE	14"	5/16"	1/4"	2 7/8
0 RE	18"	3/8"	5/16"	4 1/4
1 RE	24"	7/16"	3/8"	6 3/4
2 RE	30"	9/16"	1/2"	10 1/2
3 RE	36"	5/8"	9/16"	14 3/4
4 RE	42"	3/4"	5/8"	17 3/4





CENTER CUT ROUND EDGE CUTTERS

For cutting concrete reinforcing rods and similar hard material. Commonly used in general construction and wrecking work and in alloy steel and wire mills. Cutting edges of jaws rounded for greater durability and tempered to cut material up to 400 Brinell or 42 Rockwell C in hardness. The most durable type of standard cutting jaws for all-around work with the harder materials. Available in *Rigid* style only. If in doubt, send samples of material to be cut.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY CONCRETE REINFORCING RODS	APPROX. WEIGHT IN POUNDS
14 CCRE	14"	$\frac{3}{16}$ "	27 $\frac{7}{8}$
1 CCRE	24"	$\frac{5}{16}$ "	6 $\frac{3}{4}$
3 CCRE	36"	$\frac{7}{16}$ "	14 $\frac{3}{4}$
4 CCRE	42"	$\frac{1}{2}$ "	17 $\frac{3}{4}$

HEAVY DUTY CUTTERS

For continuous use in the cutting of concrete reinforcing rods and other hard metals. The most rugged tool in the Porter line, the cutterhead has heat-treated heavy forged straps for extra support, ground and recessed with grease pockets to minimize friction. Also equipped with special alloy jaw bolts. Furnished with center cut round edge jaws. The No. 4-HD can be supplied with POWERPULL, a device attached to the cutter for exceptionally heavy and continuous cutting. (See below.) This combination is rated for $\frac{3}{4}$ " soft rods, $\frac{5}{8}$ " cold drawn steel and $\frac{5}{8}$ " reinforcing rods.

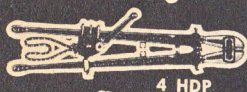
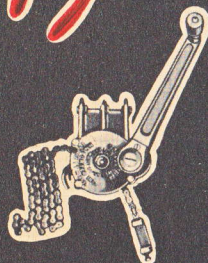
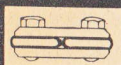
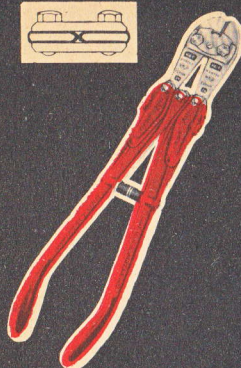
TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES			APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	HARD WIRE ROPE STRANDED GUY WIRE	CONCRETE REINFORCING RODS	
2 HD	30"	$\frac{9}{16}$ "	$\frac{7}{16}$ "	$\frac{3}{8}$ "	11 $\frac{1}{4}$
3 HD	36"	$\frac{5}{8}$ "	$\frac{1}{2}$ "	$\frac{7}{16}$ "	16
4 HD	42"	$\frac{3}{4}$ "	$\frac{5}{8}$ "	$\frac{1}{2}$ "	19 $\frac{1}{2}$
4 HDP	42"	$\frac{3}{4}$ "	$\frac{5}{8}$ "	$\frac{5}{8}$ "	28
4 HDPT	42"	$\frac{3}{4}$ "	$\frac{5}{8}$ "	$\frac{5}{8}$ "	40

POWERPULL ATTACHMENT

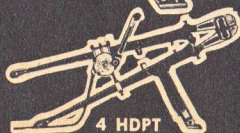
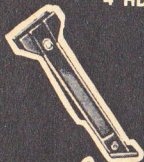
The POWERPULL is a device attached to the No. 4 Heavy Duty Cutter or to the No. 4 Cable Cutter (page 9) for heavy or continuous cutting. Since the capacity of the No. 4 Heavy Duty Cutter goes beyond the ordinary limit of man-power the POWERPULL is needed at times to get full service from this tool. It increases the applied force by means of a reduction gear box and chain sprocket. Cuts are quickly and easily made (from 10 to 15 seconds per cut) without taxing the strength of the operator. The POWERPULL means more cuts in less time and with less effort. Cuts faster and cheaper than a torch and reduces fire hazard. Weight 8 $\frac{1}{2}$ lbs.

TRIPOD ATTACHMENT

A tripod support can be furnished with the POWERPULL attachment which will greatly increase the efficiency of the tool by bringing the work up to a convenient height for the operator. This support may be easily attached or removed. The combination of the No. 4-HD Heavy Duty or No. 4-CL Cable Cutter (page 9) with the POWERPULL and Tripod Attachments provides the most efficient, large capacity, portable hand cutter on the market. Weight 12 lbs.



4 HDP



4 HDPT

END NUT SPLITTERS

When nuts won't turn because of heat, corrosion, or peening, the mechanic needs a friend and the Porter End Nut Splitter accomplishes in a few seconds work which otherwise would consume valuable minutes. It eliminates the need for chisel or hacksaw on this type of work. Splits nuts without damage to the bolt — the tool being held at right angles to the bolt axis. The jaw edges of this tool remain sufficiently open after splitting a nut to avoid damage to the bolt; hence, this tool is not usable for cutting bolts or rods. Each size is adjustable to a range of nut sizes. (See specifications below.)

TOOL NUMBER	APPROX. LENGTH OF TOOL	TO SPLIT NUT OF BOLT		APPROX. WEIGHT IN POUNDS
		RATED CAPACITY	ADJUSTABLE TO	
14 N	14"	1/4"	3/16" & 1/8"	3
1 N	24"	3/8"	5/16" & 1/4"	6 3/4
3 N	36"	5/8"	9/16" & 1/2"	14 5/8

SIDE NUT SPLITTERS

For splitting nuts of bolts with the tool "head-on" to the bolt axis. The Side Nut Splitter has the edges of the cutting jaws parallel to the handles. Properly adjusted, it will not damage the bolt, since the cutting edges remain sufficiently separated after the nut is split. Useful in dismantling work.

The choice between the End Nut Splitter and the Side Nut Splitter is dependent on the position in which the work is to be done.

Each size is also adjustable to various sizes of nuts. (See specifications below.)

TOOL NUMBER	APPROX. LENGTH OF TOOL	TO SPLIT NUT OF BOLT		APPROX. WEIGHT IN POUNDS
		RATED CAPACITY	ADJUSTABLE TO	
1 SS	24"	3/8"	5/16" & 1/4"	6 5/8
3 SS	36"	5/8"	9/16" & 1/2"	14 5/8

COMPACT CUTTERS

Powerful, versatile cutters of tool kit size. For cutting bolts and rods and for wedging off bolt heads or nuts that cannot be removed with a wrench. Extensively used in limited working areas because of their ability to get into close quarters. Transverse power screw is turned with any standard 1/2" socket wrench. End Compact Cutter may also be used for splitting nuts.

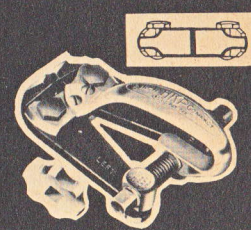
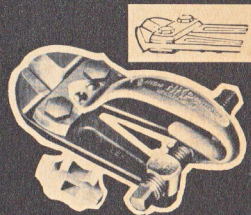
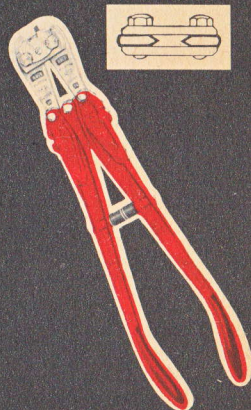
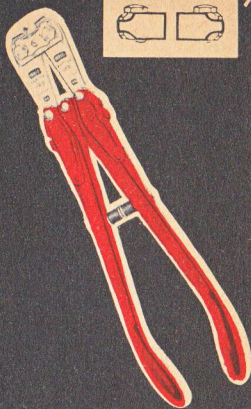
ANGULAR CUT TYPE (ACO)

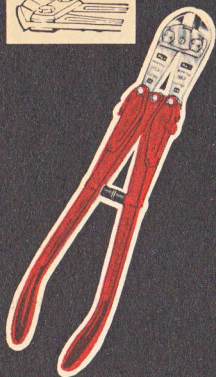
Reaches into corners, angles and many places inaccessible to other tools. Cutting edges are offset at an angle of 30° to handles.

END CUT TYPE (ECO)

Cutting edges are at right angles to the tool . . . nipper type jaws. Can also be used for splitting nuts.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY				APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	SOFT STEEL RODS	WEDGING OFF NUTS	SPLITTING NUTS OF DIAMETER	
ACO	7 3/4"	3/8"	5/16"	5/16"	—	3 1/8
ECO	7 3/4"	3/8"	5/16"	5/16"	1 1/16" (3/8" size)	2 7/8





ANGULAR CUTTERS

For CLOSE cutting against large surfaces, such as floors, walls or ceilings; hence, particularly useful in cutting concrete form wires. Also used for trimming splice ends in wire rope or stranded wire. Handles are at a 30° angle to the cutting edges of the jaws. No interference to cutting edges from the head assembly straps. Temper equal to clipper cut jaws and usable on all classes of soft material up to 200 Brinell hardness or 15 Rockwell C Scale. Swivel type is available only in No. 1 size.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES		APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	SOFT RODS	
14 A	14"	5/16"	1/4"	3 1/8
1 A	24"	7/16"	3/8"	7
3 A	36"	5/8"	9/16"	15
1 SHA	25"	7/16"	3/8"	8 1/8

END CUTTERS

A close-cutting tool with the cutting edges at right angles to the handles. Particularly useful in trimming bolt ends, etc., in shipbuilding, sheet metal work, automobile and truck body work, and structural work of all kinds. Especially convenient for cutting directly overhead. Cutting edge temper same as clipper cut jaws, permitting the cutting of soft materials up to 200 Brinell hardness or 15 Rockwell C Scale.

Swivel type is available only in No. 1 size.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES		APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	SOFT RODS	
14 E	14"	5/16"	1/4"	3
1 E	24"	7/16"	3/8"	6 3/8
3 E	36"	5/8"	9/16"	14 5/8
1 SHE	25"	7/16"	3/8"	7 1/8

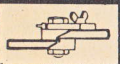
SHEAR CUTTERS

For cutting soft wire rope and cable, strip or flat bar stock. The cutting edges of the jaws in this type of cutter pass each other in the manner of scissors, thus making a complete shear cut. Widely used in strip steel mills, airplane construction, sign erection, shipbuilding, general salvage and emergency work. Not recommended for cutting rods, wire or bolts.

Available only in the Rigid type.

The No. 14-TN has notched jaws to minimize crushing or deforming the cable.

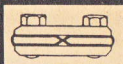
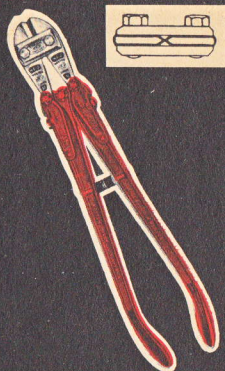
TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES			APPROX. WEIGHT IN POUNDS
		SOFT WIRE ROPE AND CABLE	HARD WIRE ROPE STRANDED GUY WIRE	SOFT BARS	
14 TN	14"	1/4"	1/4"	—	2 3/4
14 T	14"	—	—	7/8" x 5/32"	2 3/4
1 T	24"	7/16"	5/16"	1 1/4" x 7/32"	6 1/4
3 T	36"	5/8"	1/2"	1 1/2" x 9/32"	13 1/2



CABLE CUTTERS

For cutting wire cable, hard wire rope and stranded guy wire. Widely used in elevator repair and maintenance, shipbuilding, binding or piling in harbor work and in large scale lumber operations. This tool is also used for certain types of heavy electric power cable. Center cut jaws are used and are so adjusted that the cutting edges meet when the rubber buffers are two or three inches apart. This assures clean cutting of each individual strand of material. Cutterhead has extra heavy forged straps, heat-treated for maximum toughness and rigidity, ground and recessed with grease pockets to minimize friction. No. 4-CL is available with POWERPULL (See Page 6) for heavy or continuous cutting.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES		APPROX. WEIGHT IN POUNDS
		SOFT WIRE ROPE	HARD WIRE ROPE	
2 CB	30"	1/2"	7/16"	11 1/4
3 CB	36"	5/8"	1/2"	16
4 CL	43"	7/8"	3/4"	21



LEAD-SHEATHED CABLE CUTTERS

For cutting lead-sheathed communication cable. Widely used by telephone and telegraph companies and by manufacturers of communication cable and equipment. Identical hooked jaws pass each other with true shearing action. Specially designed to minimize flattening the cable and crushing the inside wires. Cutting head is of tough alloy tool steel, drop-forged and scientifically heat-treated to hold a keen wear-resisting edge. No. 3-LSC Cutter may be purchased with a tubular steel extension handle that adds 15" to the regular handle length of the tool, providing greater leverage for capacity cuts.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY		APPROX. WEIGHT IN POUNDS
		COMMUNICATION CABLE	INSULATED STRANDED COPPER WIRE	
1 LSC	23 1/2"	1"	375,000 Circular Mils	5 1/4
3 LSC	37"	2 1/4"	750,000 Circular Mils	10 3/4

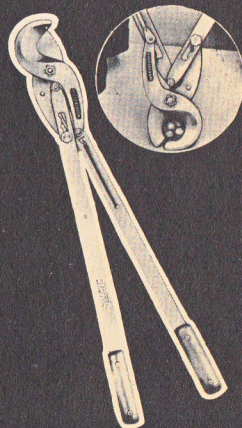


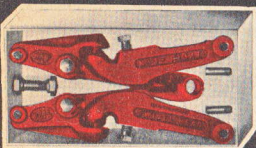
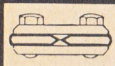
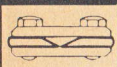
SHEAR TYPE CABLE CUTTERS

For light power cable and for salvage work on many types of communication cables, particularly those with high insulation content. Not recommended for cable containing a high percentage of copper wires. (Tire Bead Cutter, Page 11, or Cable Cutter, Page 9, may be used for this work.) Cuts on the shear principle with two sharp blades that pass each other making a clean all-the-way-through cut, leaving no frayed or flattened ends. These tools are equipped with the exclusive power slot which produces 35% more power in the middle slot and 80% more power in the top slot. (See description under Porter Forester, Page 23.)

Type F. T. for regular cable, telephone inside cable, fine stranded flexible conductors (not armored). *Type F. H.* for armored cable and stranded copper conductors.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY		APPROX. WEIGHT IN POUNDS
		REGULAR INSULATED COPPER CABLE	ARMORED COPPER CABLE	
2 FT	27"	1 3/8"	—	4 5/8
3 FT	34"	1 3/4"	—	7 1/4
2 FH	27"	—	1 3/8"	4 5/8
3 FH	34"	—	1 3/4"	7 1/4





SWIVEL CUTTERS — CLIPPER CUT

A variation of the Clipper Cut Cutter (shown on Page 5) for use in places inaccessible to the rigid type. Particularly useful in millwright work, electrical work, body-building and automotive service work. Has patented "wrist action" which enables the tool to reach around corners and over or under obstructions. The head may be swiveled through 180° arc with full leverage in any position.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES		APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	SOFT RODS	
0 SH	19"	3/8"	5/16"	4 5/8
1 SH	25"	7/16"	3/8"	7 3/4
2 SH	31"	9/16"	1/2"	11 1/2

SWIVEL CUTTERS — CENTER CUT

A variation of the Center Cut Cutter (shown on Page 5) for use in close quarters where flush cutting is not required. Has the same range of usefulness as the rigid Center Cut Cutter with the further advantage of 180° "wrist action." Particularly useful in the construction field.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITIES		APPROX. WEIGHT IN POUNDS
		SOFT BOLTS IN THREAD	MEDIUM HARD RODS	
0 SHCC	19"	3/8"	5/16"	4 5/8
1 SHCC	25"	7/16"	3/8"	7 3/4
2 SHCC	31"	9/16"	1/2"	11 1/2

SWIVEL CONVERSION KIT

For changing Rigid Cutters into Swivel Cutters — with the consequent advantages mentioned above. Should be used only for converting tools that are in first class condition, particularly the cutting head. Full directions contained in each kit are easy to follow. Available for No. 0-1-2 cutters.

BENCH CUTTERS

To meet the need for bench cutters in shops of all types where frequent repetitive cutting must be done. Fastens down securely to bench or work station. Easily operated with one hand, leaving the other hand free to feed stock into the tool. The handle travels an arc of 125° with an easy natural pull toward the operator.



TYPE OB

For all general purpose cutting of spring wire, rods, etc., up to medium hardness. Jaws are center-cut design. An ideal bench cutter for most types of production or maintenance operations.

TYPE OB-HC

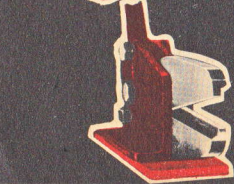
Has special jaws for cutting case-hardened chain. Very popular with upholstery and bedspring manufacturers. Ask about our special bench cutter for cutting No-Sag type springs.



TYPE OB-T

For cutting cold or hot rolled strip metal. Jaws pass each other in the true shearing manner without crushing action and with very little deformation. A powerful and useful tool.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY			APPROX. WEIGHT IN POUNDS
		MEDIUM HARD STEEL RODS	HARD CHAIN	FLAT STRIP STOCK	
0 B	16 1/4"	5/16"	—	—	5 1/2
0 BHC	16 1/4"	—	1/4"	—	5 1/2
0 BT	17"	—	—	Up to 2 1/2" wide (14 gauge)	6



LARGE BENCH SHEAR

For cutting stainless or plow steel stranded cable. Originally designed and particularly adapted for airplane control cable. Positive wipe insures clean cuts. "U" shaped throat of fixed blade minimizes deformation. Cast base and solid construction make this a rugged tool for heavy and continuous use. Special side adjustment to permit repeated sharpening over a period of years.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY				APPROX. WEIGHT IN POUNDS
		STAINLESS STEEL CABLE	PLAIN STEEL CABLE	HARD WIRE ROPE	SOFT WIRE ROPE	
UB	30"	3/8"	5/8"	1/2"	5/8"	41

CARBIDE EDGED CUTTERS

For cutting extremely hard materials, such as stainless steel rods, wires, pins, etc. Another important Porter development, with tough carbide edges firmly brazed to the cutting jaws. This tool pays for itself many times over in the most severe type of work to which bolt cutters are subjected.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY HARD STEEL	APPROX. WEIGHT IN POUNDS
3 CE	36"	5/16" dia.	14 3/4
4 CE	42"	3/8" dia.	17 3/4

HOT METAL CUTTERS

For cutting hot steel bars, rods and wire in steel mills and fabricating plants. Special hot work steel and special heat-treating of the jaws insure long life under continuous duty without loss of cutting edge temper.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY HOT STEEL ROD	APPROX. WEIGHT IN POUNDS
3 HW	36"	5/16" dia.	14 3/4
4 HW	42"	3/8" dia.	17 3/4

METAL LATH CUTTERS

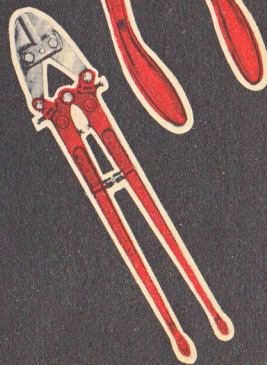
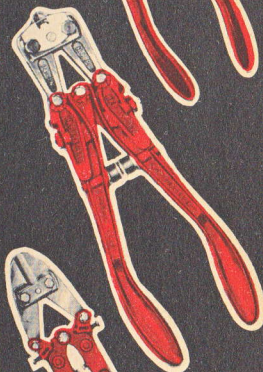
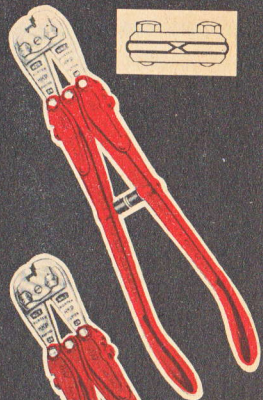
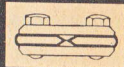
Designed especially for cutting heavy gauge metal lath and expanded metal. Has center-cut jaws with special pointed noses to allow cutting in narrow spaces. No protruding screws or bolts to catch while positioning for a cut.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY METAL LATH	APPROX. WEIGHT IN POUNDS
14 Bar X	14"	3/16"	2 3/4

TIRE BEAD CUTTER

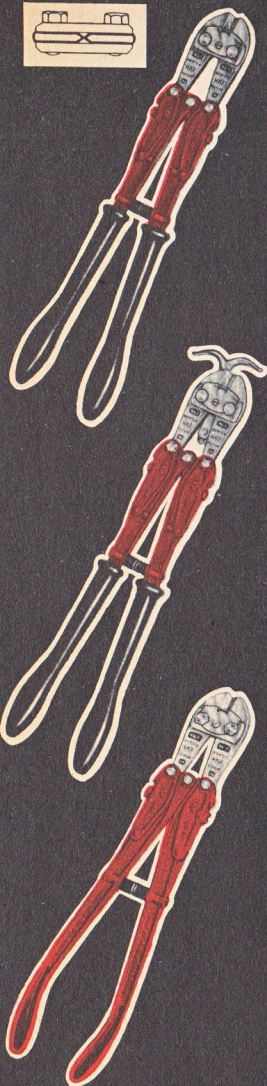
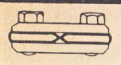
For the specific purpose of severing tough bead wires in tire casings to effectively destroy them. Essential equipment for tire distributors, manufacturers and dealers. This tool is also used for certain types of heavy electric power cables.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY BEADS OF TIRES UP TO CROSS SECTION	APPROX. WEIGHT IN POUNDS
4 TB	44"	12" diam.	20 3/4



ELECTRIC WIRE CUTTERS

Porter Electric Wire Cutters are universally used by power, light and communication companies. They are made with special wide opening jaws to accommodate insulation and are available with or without insulated handles. See specifications below for actual wire capacities. Jaws in Electric Wire Cutters are of the center cut type. In ordering be sure to specify whether insulated or uninsulated handles are desired.



ELECTRIC WIRE CUTTERS-INSULATED

For "hot" wire work by power and light companies. Handles insulated with molded Cohardite, a special semi-hard rubber with ideal properties — maximum toughness, high dielectric strength, and resistance to oxidation and chemicals. Each tool is individually tested at the factory to 20,000 volts.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY SOLID COPPER WIRE	JAW OPENINGS	APPROX. WEIGHT IN POUNDS
0 WCC	19"	5/16"	1/2"	4 1/2
1 WCC	25"	3/8"	3/4"	7 3/4
2 WCC	31 1/2"	1/2"	1 1/8"	11 3/4
3 WCC	37"	5/8"	1 1/4"	17

FIREMAN'S CUTTERS-INSULATED

Primarily for fire department use. These tools are insulated Electric Wire Cutters with the addition of an automatic groping or searching hook which guides wire into jaw opening. Supplied as standard equipment on most new fire apparatus.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY SOLID COPPER WIRE	JAW OPENINGS	APPROX. WEIGHT IN POUNDS
0 FC	21 1/4"	5/16"	1/2"	5
1 FC	27"	3/8"	3/4"	8
3 FC	39"	5/8"	1 1/4"	18

ELECTRIC WIRE CUTTERS-NOT INSULATED

For cutting on "cold" or "dead" wires. Exactly the same tool as the Electric Wire Cutters described above, but without insulation. Widely used by telephone and telegraph companies, electric machinery and equipment manufacturers; power and light companies; street railways.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY SOLID COPPER WIRE	JAW OPENINGS	APPROX. WEIGHT IN POUNDS
1 X	24"	3/8"	3/4"	6 3/4
2 X	30"	1/2"	1 1/8"	10 1/2
3 X	36"	5/8"	1 1/4"	14 3/4

INSULATED SCREWDRIVERS and SOCKET WRENCHES

Leading utility and industrial companies, electrical contractors, electricians and metermen use these Cohardite insulated tools for "hot" work because of the great margin of safety they give. The use of Cohardite insulated tools with rubber gloves provides *extra* protection for both personnel and equipment. Cohardite will not peel or crack and maintains its dielectric strength over a wide range of working temperatures and in the presence of moisture, oil, acid fumes, etc.

METERMAN'S SCREWDRIVERS

Insulated with Cohardite the full length of the blade to within $\frac{3}{8}$ " of the point and tapered near the point. Tested at 10,000 volts. Blade has straight tip to get at countersunk screws. No. 145 is extra thin for deeply recessed screws.

TOOL NUMBER	BLADE LENGTH	OVERALL LENGTH	DIA. OF INSULATION ON BLADE	DIA. OF HANDLE	APPROX. WEIGHT IN POUNDS
101	3"	5"	$\frac{1}{4}$ "	$\frac{5}{8}$ "	2 oz.
125	5 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	$\frac{3}{8}$ "	1"	3 oz.
145	5 $\frac{1}{2}$ "	9 $\frac{1}{2}$ "	$\frac{5}{16}$ "	1"	5 oz.
155	5 $\frac{1}{2}$ "	9 $\frac{1}{2}$ "	$\frac{3}{8}$ "	1"	5 oz.

STANDARD SCREWDRIVERS

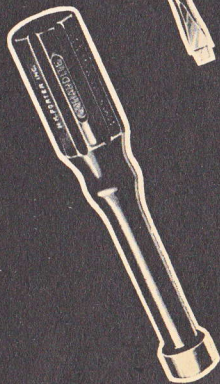
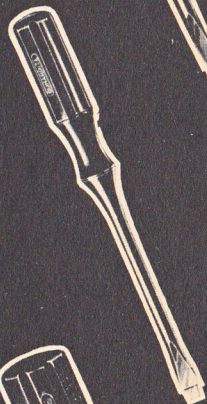
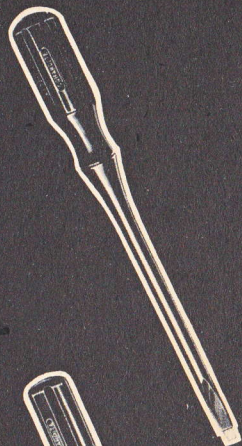
A rugged high quality screwdriver with Cohardite insulation the full length of the blade to within $\frac{3}{8}$ " of the point. Insulation tested to 10,000 volts. Meets Federal Specification GGG-S-121A for standard screwdrivers.

TOOL NUMBER	BLADE LENGTH	OVERALL LENGTH	DIA. OF INSULATION ON BLADE	DIA. OF HANDLE	APPROX. WEIGHT IN POUNDS
13	3"	8"	$\frac{1}{32}$ "	$\frac{1}{16}$ "	3 oz.
14	4"	9"	$\frac{1}{32}$ "	$\frac{1}{16}$ "	4 oz.
16	6"	11 $\frac{7}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{4}$ "	8 oz.
18	8"	13 $\frac{7}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{4}$ "	10 oz.

SOCKET WRENCHES

High quality forged and tempered sockets. Fully insulated to the socket head with Cohardite. Tested to 10,000 volts.

TOOL NUMBER	TOTAL LENGTH	HEX NUT SIZE	DIA. OF HANDLE	APPROX. WEIGHT IN POUNDS
19	6 $\frac{1}{2}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	4 oz.
21	6 $\frac{1}{2}$ "	$\frac{5}{16}$ "	$\frac{1}{4}$ "	4 oz.
23	6 $\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	4 oz.
25	6 $\frac{1}{2}$ "	$\frac{7}{16}$ "	$\frac{1}{4}$ "	5 oz.
27	6 $\frac{5}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "	6 oz.
29	6 $\frac{3}{4}$ "	$\frac{9}{16}$ "	$\frac{1}{4}$ "	8 oz.
31	6 $\frac{3}{4}$ "	$\frac{5}{8}$ "	$\frac{1}{4}$ "	8 oz.





TIRE CHAIN REPAIR TOOLS

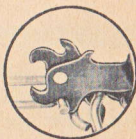
Porter manufactures the only COMPLETE chain tool line. There's a proper tool for repairing every tire chain from passenger car size up through the largest truck size. These chain repair tools range from the efficient, little LINKFIX carried in the glove compartments of passenger cars up to the powerful LINKMASTER which will fix the largest truck chains.

LINKFIX

A lifesaver for the average motorist . . . amazing in power, yet a low cost, practical tool. It's simple, quick and easy for anyone to repair a chain cross link with the Linkfix. Removes broken cross links *on the tire* and prevents damage to fenders and tires. Insert closed link between spreader jaws — close handles . . . link opens. Insert new link between notched closer jaws, — squeeze handles . . . link closes. Each LINKFIX is individually packed in an attractive carton. Complete directions for use are printed on the box. Packed twelve to a sales-catching display carton.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY	APPROX. WEIGHT
6 LK	6 $\frac{3}{8}$ "	All Passenger Car Tire Chains	4 oz.

TO OPEN LINK



TO CLOSE LINK



CANADIAN LINKFIX

Same as the Linkfix (6-LK above) except that it has a longer claw on one side to accommodate the larger Canadian type passenger chains. Each CANADIAN LINKFIX is individually packed in an attractive carton. Complete directions for use are printed on the box. Packed twelve to a sales-catching display carton.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY	APPROX. WEIGHT
6 LKC	7"	All Passenger Car Tire Chains	4 $\frac{1}{2}$ oz.

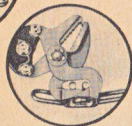
LINKSEM

A new chain repair tool that can handle light truck chains as well as passenger cars. Speedy and powerful in action, very rugged, yet light in weight. Ideal for quick chain repairs on the road and in the garage. LINKSEMS are individually packaged and full instructions for use are printed on the box.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY	APPROX. WEIGHT
13 LK	13"	$\frac{3}{8}$ " diameter links	1 $\frac{1}{8}$ lbs.

LINKMASTER

Universally used by garages, tire shops, service stations and fleet operators. Fixes any size from large heavy chains down to small passenger car chains. Eliminates carrying heavy chains to the workbench. Spread them on the floor, take the powerful Linkmaster to the chains and do the job "standing up". Spreader and closer jaws are tough alloy steel, drop-forged and scientifically heat-treated.



TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY TO OPEN OR CLOSE LINKS OF WIRE SIZE	APPROX. WEIGHT IN POUNDS
30 LK	30"	Up to $1\frac{3}{32}$ " diam.	7

CHAIN CUTTERS

Porter Chain Cutters are recommended for tire, hoist, load, log, towing, trace chains, etc. There are two types: the Hard Chain Cutter... for case-hardened chain and similar hard material and the Soft Chain Cutter for all other chain. Be sure to specify which type is required. Both types are made with stronger, short-nosed center cut jaws of special temper, designed to cut only one side of a link at a time, thus avoiding overload on either the operator or the tool.

HARD CHAIN CUTTERS

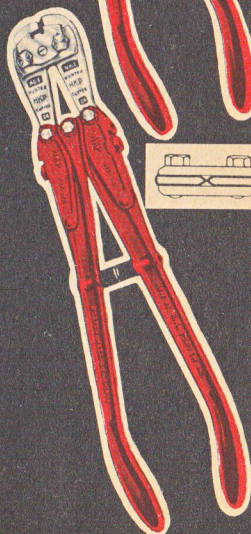
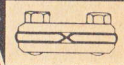
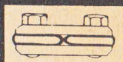
For cutting case-hardened chain. Jaws have special rounded cutting edges which crush rather than cut the link. These edges are highly tempered for maximum strength and life under continuous duty. The Hard Chain Cutter is the answer to a very common and difficult cutting problem.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY HARD CHAIN	APPROX. WEIGHT IN POUNDS
0 HC	18"	$\frac{1}{4}$ "	$4\frac{1}{4}$
1 HC	24"	$\frac{5}{16}$ "	$6\frac{3}{4}$
3 HC	36"	$\frac{7}{16}$ "	$14\frac{1}{2}$

SOFT CHAIN CUTTERS

A highly useful tool for chain manufacturers, dealers, hardware stores, shipyards, contractors and other users of all types of chain other than case-hardened. Jaws have a sharper cutting edge than those of the Hard Chain Cutter.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY SOFT CHAIN	APPROX. WEIGHT IN POUNDS
1 RC	24"	$\frac{3}{8}$ "	$6\frac{3}{4}$
3 RC	36"	$\frac{9}{16}$ "	$14\frac{1}{2}$



HYDRAULIC EQUIPMENT

In industries, construction, utilities and transportation work of all kinds Porter Industrial Equipment, powered by our outstanding line of Porter-Ferguson hydraulic jacks, provides a new and better answer for a wide variety of installation, manufacturing and maintenance operations. In combination with specially designed attachments and accessories, these jacks provide flexible, controlled power for *pushing, pulling, spreading, lifting, bending or straightening* anywhere in the plant or on the job. Engineers, millwrights, maintenance men, machinists are daily finding new places where Porter Industrial Equipment saves time and money.

Remote control types (BU-200, BU-400, BU-500) have the pump and reservoir separate from ram but connected by flexible, high pressure, oil-proof, rubber hose. They provide the maximum in convenience, versatility and safety.

(For 3 ton hydraulic jack and attachments see Page 18.)

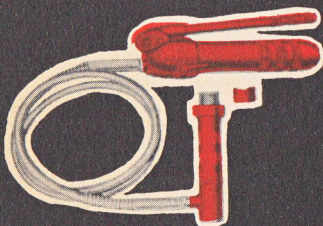


STANDARD JACKS

BU-300 HYDRAULIC JACK

10,000 lb. Capacity Direct Action

This fast, powerful direct action Porter-Ferguson jack has a self-retracting ram and operates in any position. Full swiveling handle to permit pumping at the most convenient angle. Quick, easy control with new lever-operated valve. Weight 13 lbs.

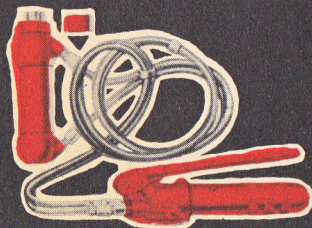


BU-400 HYDRAULIC JACK

15,000 lb. Capacity Remote Control

Ram is self-retracting and performs with equal efficiency in all positions.

Lever-operated valves give quick, safe control at all times. The small size of this powerful ram makes possible its use in cramped quarters. A highly useful, all-purpose, industrial hydraulic power unit. Weight 22 lbs.



BU-500 HYDRAULIC JACK

25,000 lb. Capacity Push and 15,000 lb. Capacity Pull — Remote Control

This Porter-Ferguson jack has a double hydraulic system which enables it to be used for both push and direct pull operations. Like all other Porter-Ferguson jacks, the ram is self-retracting and operates in all positions. The direct pull feature eliminates the need for many complicated set-ups. Weight 36 lbs.

HYDRAULIC EQUIPMENT

The ways in which Porter Industrial Equipment may be assembled for various purposes are limited only by the ingenuity and experience of the user. With chains, hooks, toes, rubber bases and shop press, innumerable special jobs can be completed before they could be set up with older, more cumbersome equipment. All standard attachments interchangeable between 5, 7½ and 12½ ton jacks. Jack capacity ratings are for direct push or pull, and ratings on offset loads with attachments will be somewhat less than the full capacity of the jack itself.

(For 3 ton hydraulic jack and attachments see Page 18.)

STANDARD JACK ATTACHMENTS

BU-580 JACK BASE — Used in all operations where a special base or other attachment is not needed.

BU-700 } RUBBER BASES — Hold firmly on any surface and yet
BU-705 } do not mar. Unaffected by oils and grease. Will take full thrust of jack. Indispensable when jacking against finished surfaces.

BU-905 SHORT PUSH-PULL TOE — Attached to jack or extension tubing, these tools are used for pushing or pulling.

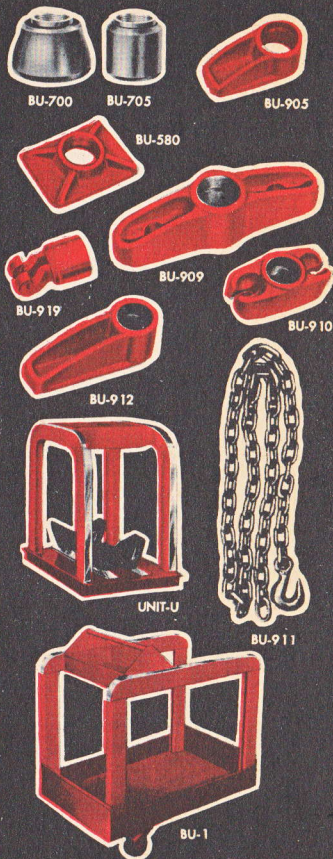
BU-909 LARGE CHAIN ATTACHMENT — Used with jack and **BU-910 SMALL CHAIN ATTACHMENT** chain for push or pull operations with one or more chains. Provide means for connecting chain to jack for push or pull operations.

BU-911 HEAVY DUTY CHAIN — 6-foot chain of exceptional strength with forged hook at one end.

BU-919 SWIVEL CHAIN HOOK — For attaching chain directly to ram nose or base for in-line pulling operation.

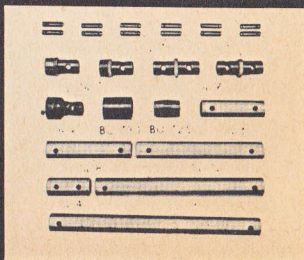
BU-1 CARRIER — A simple and efficient means of transporting tools and equipment to the job. The handy open-top metal tray and large steel shelf save a world of needless, costly, time-killing hunting for mislaid tools. Keeps everything at your finger tips. Large diameter, high quality ball-bearing rubber-tired casters. Dimensions approximately 21¾" x 34" x 30" high. Weight 72 lbs.

UNIT U SHOP PRESS — A unique press of 15,000 lbs. capacity. Usable either on BU-1 Carrier or any bench. Use of V-Blocks in center slot makes this Press extremely handy for general straightening work. May be used with either BU-300 or 400 jacks. Dimensions of Press approximately 12" x 19" x 18¼" high. Weight 55½ lbs.



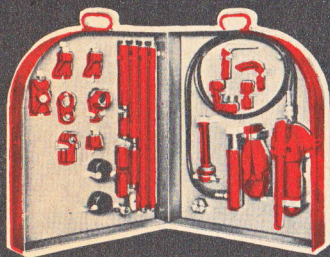
STANDARD SPEEDLOK TUBING UNIT-Y

A new type of tubing extension and connectors for BU-300, 400 and 500 jacks, replacing the slower type of threaded tubing. Used for both pushing and pulling in operations where the distance between pressure points is greater than the length of the jack. Tubing extensions are essential to the development of the full versatility of our hydraulic jacks. Just snap the pieces together for pushing (snap in the pins for pulling) and there's a complete assembly in a few seconds. Speedlok Tubing Sets contain adapters and nipples which make them interchangeable with regular threaded tubing. Weight 221½ lbs.



HYDRAULIC EQUIPMENT

For lighter work . . . where 3 tons or less pressure is required . . . the Porter Hydro-Midget Industrial Unit is an economical answer to many and varied maintenance, industrial and construction jobs.



HYDRO-MIDGET JACK and ATTACHMENTS UNIT 1-V

Within its capacity the Hydro-Midget will perform the same operations as the heavier hydraulic units: *pushing, pulling, spreading, lifting, bending or straightening*. The efficient and attractive carrying case makes it easy to take the entire unit to the job. Outline of tools in case locates correct place for each piece. Weight 57 lbs.

UNIT 1-V CONTAINS THE FOLLOWING:

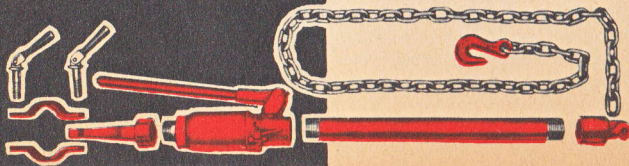
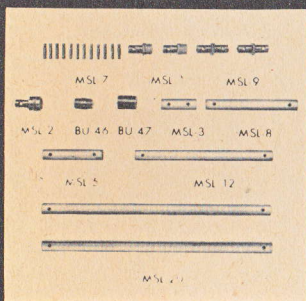
- 1 BU-37 Pull Arm Guide
- 1 BU-38 Pull Arm Base Assembly
- 1 BU-39 Jack Body Toe
- 2 BU-40 Ram Extension Toe
- 1 BU-41 Jack Base
- 1 BU-42 Vee Notch Cap
- 2 BU-43 Rubber Head
- 2 BU-44 Offset Spreading Toe
- 1 BU-45 Ram Base Plug
- 1 BU-46 Short Nipple
- 1 BU-47 Short Coupling
- 2 BU-48 Long Coupling
- 2 BU-50 20" Tube Extension
- 1 BU-52 12" Tube Extension
- 1 BU-53 3" Tube Extension
- 1 BU-55 5" Tube Extension
- 1 BU-58 8" Tube Extension
- 1 BU-60 Length Adjuster
- 1 BU-75 Spreader
- 1 BU-91 Hex Adapter
- 1 BU-92 Quarter Panel Spoon
- 1 BU-93 Metal Top Spoon
- 1 BU-99 Carrying Case and Tool Holder
- 1 BU-200 Remote Control, 3-Ton Jack, Complete

HYDRO-MIDGET SPEEDLOK TUBING - UNIT-X

Identical in principle and construction with the larger size of Speedlok Tubing. Saves valuable time in making extended set-ups. Set contains adapters and nipples which make it interchangeable with regular $\frac{3}{4}$ " threaded tubing. Weight 11 lbs.

METAL POST STRAIGHTENER - UNIT-W

For quick and efficient straightening of metal posts. Used extensively by states, cities, counties, towns, for straightening parking meter posts, metal fence or sign posts, etc. Weight 30½ lbs.



SHEET METAL TOOLS

From the complete line of Porter-Ferguson automotive body and fender tools we show here those which are widely used in industrial plants for sheet metal work, etc.

- BH-2 HAMMER** — 5" BULLET TYPE — Full machined head with $\frac{19}{16}$ " diameter face and bullet type straight pick end. Drop-forged of high quality alloy steel, heat-treated and with highly polished surfaces. For use in all industrial metal finishing and general ding work. Overall length of head 5". Weight 12 oz.
- BH-4 HAMMER** — 4" BUMPING TYPE — The standard of 4" general purpose metal bumping hammers. Full machined heads $\frac{13}{16}$ " square and $\frac{19}{16}$ " diameter. Perfect balance. Drop-forged alloy steel, heat-treated. Weight 14 oz.
- BH-6 HAMMER** — 6" BUMPING TYPE — The standard of 6" general purpose metal bumping hammers. Full machined heads $\frac{13}{16}$ " square and $\frac{19}{16}$ " diameter. Perfect balance. Drop-forged alloy steel, heat-treated. Weight 1 lb. 1 oz.
- BH-11 HAMMER** — 6" HIGH AND LOW CROWN FINISHING TYPE — Full machined heads. Two striking faces $\frac{19}{16}$ " and $1\frac{1}{16}$ " in diameter. A useful tool for expert finishing work. Weight 15 oz.
- WM-5 MALLET** — A lignum vitae bumping hammer for sheet metal finishing. Particularly useful for light corrective work on painted surfaces. A valuable machine shop tool. Both faces have accurate polished contours. Very durable and will not chip under ordinary usage. Weight 9 oz.
- GD-2 HIGH CROWN GENERAL PURPOSE BUMPING DOLLY BLOCK** — Drop-forged alloy steel. Precision ground for accurate finishing of medium and high crowned surfaces. Weight 2 lbs. 13 oz.
- GD-3 HIGH CROWN THIN TYPE DOLLY BLOCK** — Specially designed to get into limited spaces. Drop-forged alloy steel. Weight 2 lbs. 5 oz.
- GD-7 GENERAL PURPOSE HIGH AND LOW CROWN RAIL TYPE DOLLY BLOCK** — A very popular all around dolly with both high and low crown anvil faces. Accurately finished for quality sheet metal work. Weight 3 lbs. 3 oz.
- E-6 SURFACING SPOON** — Used with mallet or bumping hammer for planishing or spring hammering in accurate metal finishing. Alloy steel drop-forged and heat-treated. Weight 1 lb. 6 oz.
- SMC-10 SHEET METAL CUTTER** — A new and extremely useful type of metal cutter for maintenance, salvage and experimental work. Particularly adapted for panel replacement or patching in all types of vehicle bodies. Will follow any outline in soft steel sheets up to 16 gauge. Driven by light to medium hammer blows. Weight 1 lb. 4 oz.
- WC-2 WIDE FACED CAULKING IRON** — A general purpose caulking iron for sheet metal work. Drop-forged, heat-treated and scientifically ground. Weight 1 lb. 8 oz.
- FH-14 ADJUSTABLE FLEXIBLE FILE HOLDER** — For use with 14" flexible, milled curved-tooth sheet metal files. Aluminum alloy handle and brackets for light weight. Spring steel backing-up plate permits quick adjustment to convex or concave profile for use on most contours. Does not chatter. Weight (with file) 1 lb. 7 oz.
- U-14 SHEET METAL FILE** — Flexible, milled curved-tooth file for use with FH-14 holder. For flat and contoured sheet metal finishing. Weight 11 oz.

FIXX — Cold Solder

A perfected and proven cold solder for rapid and economical repair of metal and other surfaces. Used alone or with FIXX-FAB for speedy, durable repair of dents, gouges, holes and tears in sheet metal. An essential supply item for automobile body, truck, bus, street and railroad car repair shops. All sheet metal shops need this material for faster, smoother work. Many industrial uses in foundry, machine shop experimental and maintenance work. Also highly useful for home repairs to damaged or rusted-out sheet metal, cracked or gouged doors and window frames, furniture, sinks, tubs, etc. A plastic metallic compound with high adhesion to practically any clean surface, metallic or otherwise. Non-shrinking, non-rusting and flexible. Applied in plastic condition; hardens into a metallic state; can then be filed, ground or polished.

FIXX is the basis of many new industrial techniques.

FIXX-FAB

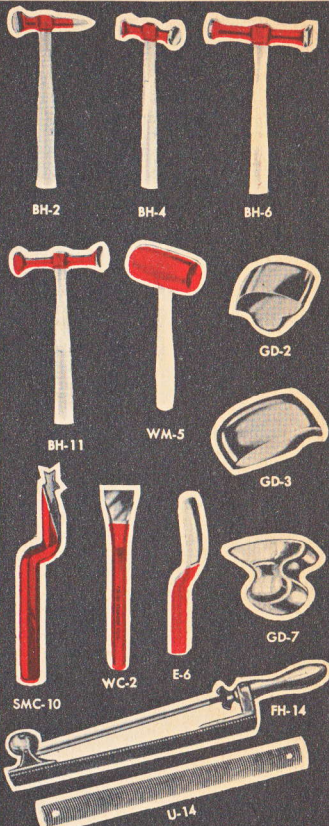
An easily applied, high strength, non-shrinking patch material used with FIXX and FIXX-SOL for low cost repairs to torn or rusted-out sheets or panels. Hardens like metal. Eliminates costly cutting, fitting, riveting and welding.

FIXX-SOL

A high test solvent for use in cleaning surfaces prior to application of FIXX or FIXX-FAB; no other solvent is effective.

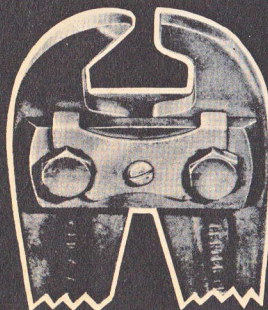
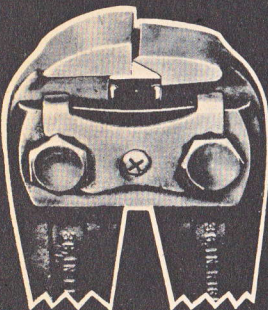
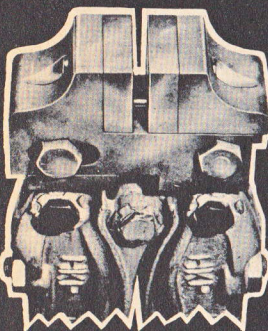
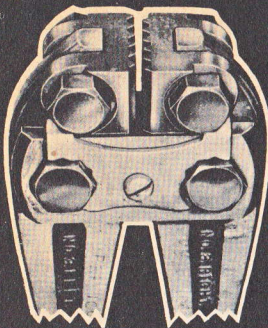
FIXX-KIT

A convenient package of all three above materials for garage, shop, factory or home.



Send for catalog of full line of Porter-Ferguson Body and Fender Equipment.





SPECIAL TOOLS

For many years H. K. Porter, Inc. has rendered an important service to industry and to branches of the government by developing and producing a wide variety of special tools.

Here are some of the operations that can be efficiently and economically performed with special tools, built around the tremendously powerful toggle mechanism that has helped to make Porter Cutters famous:

Heading	Caulking	Cutting
Pressing	Squeezing	Shearing
Crimping	Pushing	Splitting
Punching	Pulling	Flattening
	Spreading	

In addition to tools of this type we have designed other special-purpose tools that have saved time and labor in many operations where it is necessary to take the tool to the job.

Shown here are the working heads of just a few of these "special tools for special jobs". Many of them are powered by standard Porter handles but frequently special handles are designed.

SPECIAL FACILITIES

In our new, modern postwar plant we have a wide range of up-to-date machinery and equipment for efficient production of specialized products that are beyond the scope of the ordinary machine shop. High production automatic screw machines, drills, milling machines, presses and grinders make it possible for us to do such work advantageously for those who do not have adequate equipment. Some of our outstanding facilities are:

1. *A modern drop forge shop.* For the production of high quality forgings up to 3 pounds from various materials, especially those requiring careful heat-treating and finishing.

2. *A complete modern commercial heat-treating plant.* For the accurate and economical heat-treating of all types of ferrous and non-ferrous metals. This is one of the country's pioneer commercial heat-treating shops and is extremely well equipped.

3. *Facilities for finishing and coating: —*

(a) Sandblasted, blued and painted finishes — quality at low cost.

(b) A special durable and attractive black finish on steel parts, obtained by chemical reaction with the iron in the steel to form black oxide. Cannot peel, flake or chip. Finish is obtained by penetration and does not change dimensions. Gives greater rust resistance and sales appeal.

(c) A new type of plastic coating in an eye-catching, brilliant red color, which is thin, tough, durable and yet resilient. Resistant to mineral oils and normal lubricating oils, mild caustic and acid solutions, salt water and outdoor exposure. Similar in texture to rubber compounds but does not chafe and is not slippery. Especially suitable for handle grips of all kinds.

We will gladly apply these finishes to any samples submitted.

Porter Pruning Tools are of exactly the same high standard of *quality* in design, materials and workmanship that have made Porter Cutters preferred in every country in the world. There's a Porter Pruner for every job . . . whether you want to cut 2" greenwood or sprout and sucker growth . . . cut in the throat of jaws or at the points . . . cut in high places or close to the ground. Every Porter Pruner is designed to cut *clean* and to cut *close*. The cuts heal quickly and cleanly. Porter Pruners are made for easy working, maximum power, with less effort and longer life.

8A DURACUT ONE-HAND PRUNER ANVIL TYPE

This new anvil-type one-hand pruner has been carefully designed and manufactured to cut better and easier and to last longer than other anvil-type pruners. The special steel cutting blade is more rigid and practically eliminates spreading of the blades when making parallel or diagonal cuts on large branches. The exclusive plastic covered comfort grips are easy on the hand. No slipping — no blisters. Positive thumb lock is conveniently located — no more danger of pinching hands while cutting.

TOOL NUMBER	APPROX. LENGTH OF TOOL	APPROX. WEIGHT IN POUNDS
8 A	8"	12 oz.

8S DURA-SHEAR ONE-HAND PRUNER SHEAR TYPE

This tool has the same extra features as the 8A ANVIL ONE-HAND Pruner described above. Both blades are sharp and have been designed to make close, clean, easy cuts without stripping the bark and without spreading. For the first time, a popular priced shear type tool with quality design features previously found only in the most expensive pruners.

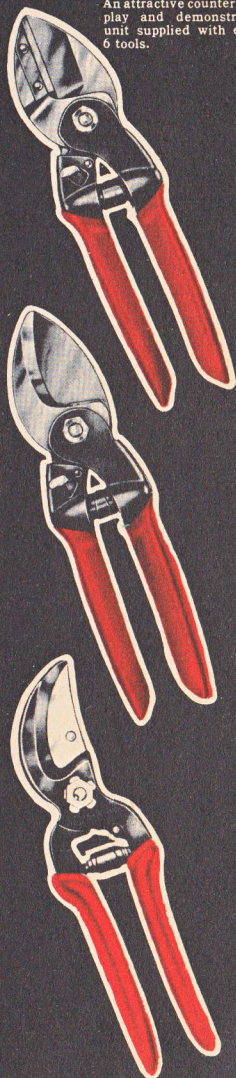
TOOL NUMBER	APPROX. LENGTH OF TOOL	APPROX. WEIGHT IN POUNDS
8 S	8 1/4"	12 oz.

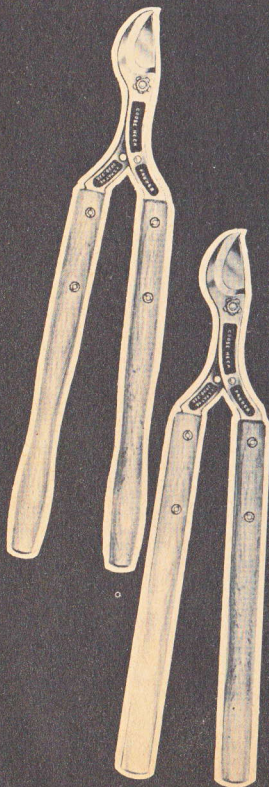
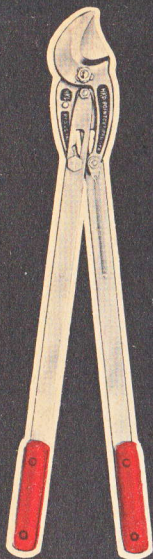
9 TW TWIN-CUT ONE-HAND PRUNER PROFESSIONAL TYPE

Our top quality hand pruner specially designed by, and a favorite with, professional users. Ease of operation, capacity for clean, close work and sturdy construction make the Twin-Cut the ideal tool for all types of light pruning. The two sharp blades cut with a minimum of handle pressure. Hooked blade has a spur to prevent springing of blades under cutting pressure. Spring is firmly secured by long pins. Forged handles are designed so that hands cannot be pinched while cutting and have a new plastic covering to prevent slipping and to eliminate sore hands. Positive lock can be controlled with a touch of the thumb. All work is done near point of jaws permitting close cutting in narrow crotches. Nothing has been spared in making the Twin-Cut the finest all-around one-hand pruner ever produced.

TOOL NUMBER	APPROX. LENGTH OF TOOL	APPROX. WEIGHT IN POUNDS
9-TW	8 3/4"	12 oz.

An attractive counter display and demonstrator unit supplied with each 6 tools.





POINTCUT PRUNERS

A top quality two-hand pruning tool for use where cuts of less than $1\frac{1}{4}$ " predominate . . . extremely popular in orchard and nursery because of its ability to do fast clean work. Blades are designed to allow capacity cuts in the throat of the tool, yet small cuts or sprout and sucker growth can be quickly and closely made at the point with minimum handle travel. The two sharp blades cut without damaging the bark or cambium, thereby promoting a quick healing condition. This tool has the exclusive power slot that produces 35% more power in the middle slot and 80% more power in the top slot. (See Porter Forester.) Excellent for forest pruning and a favorite with growers, nurserymen, gardeners. Available in two lengths.



TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY GREEN WOOD	APPROX. WEIGHT IN POUNDS
120 P	20"	$1\frac{1}{4}$ "	$2\frac{3}{4}$
124 P	24"	$1\frac{1}{4}$ "	3

GOOSENECK PRUNERS

A great favorite for citrus, peach and pecan pruning, the Goose-neck Pruner is a light, strong pruner of the single joint type. The narrow head design enables the tool to cut in dense growth where it would be difficult to use other pruners. Easy to handle, it has two sharp blades for clean, close cutting without damage to the bark. Jaws are of tough alloy tool steel, drop-forged and scientifically heat-treated. Sturdy handles of hickory. Available in two lengths with either straight or formed handles.

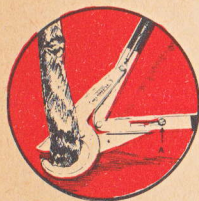


TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY GREEN WOOD	APPROX. WEIGHT IN POUNDS
224-G	24"	$1\frac{3}{16}$ "	3
228-G	28"	$1\frac{3}{16}$ "	$3\frac{1}{4}$

FORESTER HEAVY DUTY BRUSH CUTTERS

Fast, safe and durable, this is one of the most practical tools ever designed for all-around year-round cutting and pruning. Especially suited for brush and root cutting, trail clearing in forest service and for general clearance of farm and pasture land. Leaves flush flat-topped stumps which eliminate the danger of splitting hooves. Used for clearing rights of way for high tension power lines, and roadside clearing; in the cattle industry for dehorning and tipping; for cutting Christmas trees and evergreens. A necessity for root cutting when moving trees or removing stumps. Unexcelled for cutting over 1" diameter stock. Both blades are sharp for clean, close cuts. Available in two sizes. The No. 3 size is primarily a ground tool for cutting brush and for general work on stands of all ages up to 2" green wood. The No. 2 size is commonly used for low, heavy pruning and roadside clearing where cuts up to 1½" predominate. Also used by poultrymen for eviscerating. Both sizes are equipped with the exclusive slide shift shown below, which greatly increases power when needed, making continuous cutting less tiring for the operator. The cutting blades are of tough, high quality alloy tool steel, heat-treated. Handles are heat-treated spring steel with comfortable wood grips.

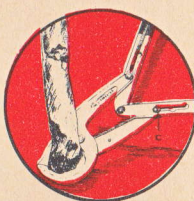
EXCLUSIVE SLIDE SHIFT USED IN BOTH FORESTER AND POINTCUT PRUNERS



1. In the middle of a difficult cut to get extra power, it is only necessary to *let up on the handle pressure* and —

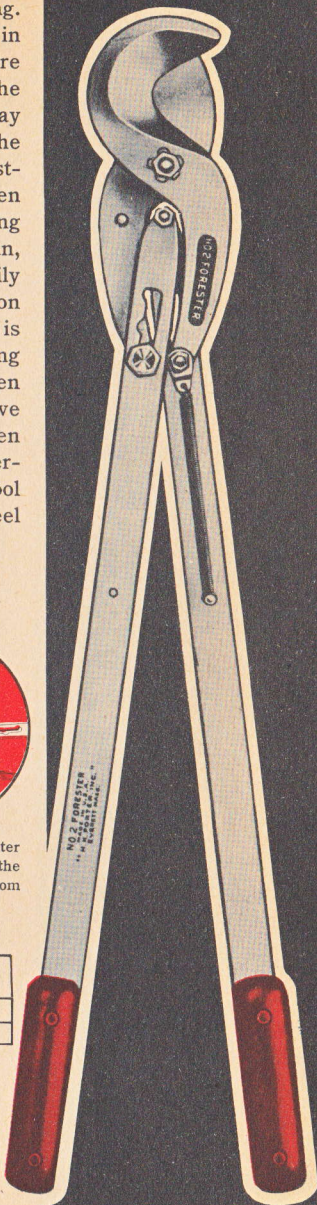
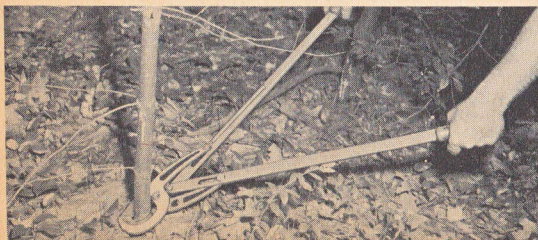


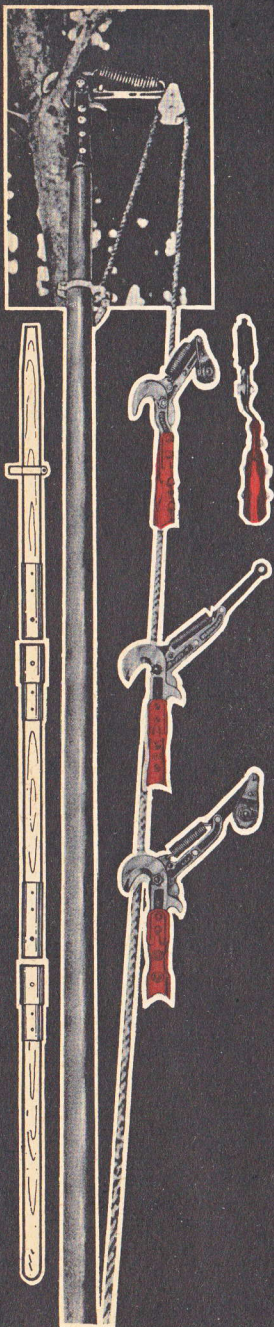
2. Slip the handles back so that the jaw bolts engage in the center notch in the slot in which position the cut continues with ease.



3. Still another greater power is available in the same way though seldom needed.

TOOL NUMBER	APPROX. LENGTH OF TOOL	CAPACITY GREEN WOOD	APPROX. WEIGHT IN POUNDS
2 FO	27"	1½"	4⅞
3 FO	34"	2"	7¼





PORTER POLE PRUNERS

Arborists, tree surgeons, telephone and power companies, fruit and nut growers, park departments, state and federal governments all prefer the Porter Pole Pruner because it is a rugged, trouble-free tool which gives constant service and reduces annoying replacements. Has fewer moving parts. Lightweight head has two sharp blades made of high quality alloy tool steel forgings. Cuts close without damage to the bark, promoting quick healing. Thinner head permits better cutting in narrow crotches. Pressed metal brackets reduce weight. Available with solid or jointed poles. Jointed poles have close-fitting sturdy locking sleeves, enabling the user to instantly rig a pole of the length required. Sleeves provide reinforcement that makes a stronger element than a single long pole. A positive locking arrangement leaves no projection to catch and unlock the joint while in use. Cuts 1" greenwood.

OFFSET HEAD POLE PRUNER — SHORT ARM WITH PULLEY

Offset type head permits still closer cutting by giving the user more clearance when making cuts flush with trunks or large branches.

CUTTER-HEAD ONLY	COMPLETE TOOLS WITH SOLID POLES		COMPLETE TOOLS WITH JOINTED POLES 2 SECTIONS		COMPLETE TOOLS WITH JOINTED POLES 3 SECTIONS	
NO.	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
OP	OP-6'	6'	OPJ2-10'	10' 6" top 4" butt	—	—
OP	OP-8'	8'	OPJ2-12'	12' 6" top 6" butt	—	—
OP	OP-10'	10'	OPJ2-14'	14' 8" top 6" butt	OPJ3-14'	14' 6" top, 4" mid 4" butt
OP	OP-12'	12'	OPJ2-16'	16' 8" top 8" butt	OPJ3-16'	16' 6" top, 6" mid 4" butt

STRAIGHT HEAD — LONG ARM NO PULLEY

CUTTER-HEAD ONLY	COMPLETE TOOLS WITH SOLID POLES		COMPLETE TOOLS WITH JOINTED POLES 2 SECTIONS		COMPLETE TOOLS WITH JOINTED POLES 3 SECTIONS	
NO.	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
R	R-6'	6'	RJ2-10'	10' 6" top 4" butt	—	—
R	R-8'	8'	RJ2-12'	12' 6" top 6" butt	—	—
R	R-10'	10'	RJ2-14'	14' 8" top 6" butt	RJ3-14'	14' 6" top, 4" mid 4" butt
R	R-12'	12'	RJ2-16'	16' 8" top 8" butt	RJ3-16'	16' 6" top, 6" mid 4" butt

STRAIGHT HEAD — LONG ARM WITH PULLEY

CUTTER-HEAD ONLY	COMPLETE TOOLS WITH SOLID POLES		COMPLETE TOOLS WITH JOINTED POLES 2 SECTIONS		COMPLETE TOOLS WITH JOINTED POLES 3 SECTIONS	
NO.	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
RP	RP-6'	6'	RPJ2-10'	10' 6" top 4" butt	—	—
RP	RP-8'	8'	RPJ2-12'	12' 6" top 6" butt	—	—
RP	RP-10'	10'	RPJ2-14'	14' 8" top 6" butt	RPJ3-14'	14' 6" top, 4" mid 4" butt
RP	RP-12'	12'	RPJ2-16'	16' 8" top 8" butt	RPJ3-16'	16' 6" top, 6" mid 4" butt

POLES ONLY (SOLID POLES)

NO.	LENGTH
P-6'	6'
P-8'	8'
P-10'	10'
P-12'	12'

SECTIONS ONLY FOR JOINTED POLES

TOP SECTIONS		MID SECTIONS		BOTTOM SECTIONS	
NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
TS-4'	4'	MS-4'	4'	BS-4'	4'
TS-6'	6'	MS-6'	6'	BS-6'	6'
TS-8'	8'			BS-8'	8'

No. 530A Printed in U. S. A. 5-50

Manufactured by **H. K. PORTER, INC.**, Sumerville 43, Mass.

Manufacturers of

PORTER-FERGUSON Auto Body and Fender Tools and Equipment